




AFB00698

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On 7 October 2005
(DATE OF DEPOSIT)

Thomas C. Stover 22,531
NAME OF APPLICANT, ASSIGNEE, OR REG. REP.

 7 October 2005
SIGNATURE DATE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Divisional Application of
Gerald W. Iseler et al
Application Serial No. 10/825,801
Filed: 1 April 2004
For: **GROWTH OF UNIFORM CRYSTALS**

Group Art Unit: 1765
Examiner: M. Anderson

Honorable Commissioner for Patents
Alexandria, VA 22313-1450

Sir:

Declaration Under 37 CFR 1.132

I, David F. Bliss of Arlington, MA, declare and say that:

1. I am one of the inventors in the above identified application filed on 4-1-04.
2. I have a Ph.D. in materials science and have worked in the field of Crystal growth in the semi-conductor field for over 20 years.

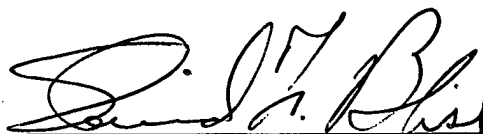
3. Based on this work I can say that low defect crystals are generally grown in a melt by a bottom seeded method. But with a static melt, the distribution of components therein and the properties of the resulting crystals are inherently non-uniform.

4. However, when the above melt is electromagnetically stirred, per the invention, crystals of low defect density, uniform distribution of components and of uniform properties result.

5. I further declare that the statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and furthermore that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under section 1001 of Title 18 of the United States Code and that such willful false statements could jeopardize the validity of the above application or any patent issuing thereon.

7 October 2005

Date

A handwritten signature in black ink, appearing to read "David F. Bliss", written over a horizontal line.

David F. Bliss